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**FACSIMILE COVER SHEET**

DATE: February 12, 2003

FOR: Albert K. Wong

COMPANY OR FIRM: PTO

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FROM: Kaushik P. Sriram

RE: Serial No. 10/045,263

NUMBER OF PAGES INCLUDING THIS COVER SHEET: 19

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Preliminary Amendment

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**TECHNOLOGY CENTER 2800**

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Beth Pearson-Naul**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANT: Xiao Ming Tang et al.	§	Group Art Unit: 2635
SERIAL NO.: 10/045,263	§	
FILED: November 7, 2001	§	Examiner: Wong, Albert K.
TITLE: "Method and Apparatus for LWD Shear Velocity Measurement"	§	Confirmation No. 2279
	§	Atty Docket No.: 414-23747-US

**PRELIMINARY AMENDMENT**

Prior to any substantive action in the case, please amend the application as follows.

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**IN THE CLAIMS**

TECHNOLOGY CENTER 2800

Please amend the claims as indicated below. In accordance with 37 CFR § 1.121(c)(3) a clean set of amended pending claims is presented here:

- 1 1. An acoustic logging apparatus comprising:
  - 2 (a) a drill collar conveyed on a drilling tubular in a borehole within a
  - 3 formation, said drill collar having a cutoff frequency for a collar mode
  - 4 wave therein; and
  - 5 (b) a transmitter on the collar producing a signal at a frequency below said

prel\_amend February 11, 2003

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